

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-245394  
(43)Date of publication of application : 19.09.1997

(51) Int. Cl.

G11B 15/467

(21)Application number : 08-073036  
(22)Date of filing : 05.03.1998

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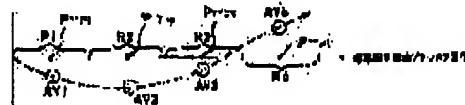
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**(54) REPRODUCING DEVICE**

**(57)Abstract:**

**PROBLEM TO BE SOLVED:** To improve reliability in an equipment by making execute excellent tracking operation even when a relation between a reproducing scan locus and a track shape isn't ideal.

**SOLUTION:** A reference value of ATF tracking is calculated by operational processing using a maximum value AV2 and a minimum value AV4 among mean values by respectively measuring tracking detection periods on locations of three or above for a track, and by calculating the mean value of the measured values at every location. Further, related to the location with a bad error rate, the reference value is calculated by increasing calculation weight. Further, a window eliminating an unsuitable sample when the reference value is calculated is set in.



## **LEGAL STATUS**

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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CLAIMS

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## [Claim(s)]

[Claim 1] In case the data currently recorded as an inclination track in the tape-like record medium by the head allotted to the rotating drum are reproduced Said head measures the tracking detection period used as the time of a timing detecting signal being obtained corresponding to the predetermined location on a truck from the time of a rotating drum serving as a criteria phase location in 1 rotation period. The measurement value of this tracking detection period by comparing with the reference value of the set-up tracking detection period in the regenerative apparatus constituted so that the servo control signal over the relative velocity of the travel speed of a tape-like record medium and the rotational speed of a rotating drum might be generated and a tracking servo might be performed At the time of reference-value setting processing, three or more locations are set up to a truck, While measuring a tracking detection period, respectively by the timing detecting signal obtained in the predetermined location decided within each location and computing the average of a measurement value for every location The regenerative apparatus characterized by having a reference-value setting means to compute said reference value by data processing using the maximum of the averages in each obtained location, and the minimum value.

[Claim 2] In case the data currently recorded as an inclination track in the tape-like record medium by the head allotted to the rotating drum are reproduced Said head measures the tracking detection period used as the time of a timing detecting signal being obtained corresponding to the predetermined location on a truck from the time of a rotating drum serving as a criteria phase location in 1 rotation period. The measurement value of this tracking detection period by comparing with the reference value of the set-up tracking detection period in the regenerative apparatus constituted so that the servo control signal over the relative velocity of the travel speed of a tape-like record medium and the rotational speed of a rotating drum might be generated and a tracking servo might be performed In an error generating location detection means to set up two or more locations to a truck, to detect the error generating situation at the time of playback about each location, and to distinguish the bad location of an error rate most, and the time of reference-value setting processing A tracking detection period is measured, respectively by the timing detecting signal obtained in the predetermined location within said each location. All or a part of operation values in each low KESHON obtained by the measurement are used for a reference-value calculation operation, And the regenerative apparatus most characterized by having a reference-value setting means to compute a reference value as count specific gravity was raised to the operation value about the bad location of an error rate detected by said error generating location detection means and it used for the reference-value calculation operation.

[Claim 3] In case the data currently recorded as an inclination track in the tape-like record medium by the head allotted to the rotating drum are reproduced Said head measures the tracking detection period used as the time of a timing detecting signal being obtained corresponding to the predetermined location on a truck from the time of a rotating drum serving as a criteria phase location in 1 rotation period. The measurement value of this tracking detection period by comparing with the reference value of the set-up tracking detection period in the regenerative apparatus constituted so that the servo control signal over the relative velocity of the travel speed of a tape-like record medium and the rotational speed of a rotating drum might be generated and a tracking servo might be performed The window which specifies the period when the timing detecting signal corresponding to said predetermined location is obtained in the time of reference-value setting processing is set up. The regenerative apparatus characterized by having a reference-value setting means to compute a reference value based on the measurement value of the tracking detection period searched for by the timing detecting signal obtained within the period which becomes in the window concerned.

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[Translation done.]